PROJECT DESCRIPTION

I GENERAL

This project involves the modification of existing Traffic Control Signal with existing interconnect at the US 50 (Ocean Gateway) and MD 452 (Friendship Road)/Seahawk Road in Worcester County. Opticom pre emption shall be installed at this intersection. US 50 (Ocean Gateway) is assumed to run an east-west direction.

II. INTERSECTION OPERATION

- 1. The intersection shall continue to operate in a NEMA five phase, fully-actuated mode, with the US 50 (Ocean Gateway) approaches running concurrently. The Exclusive left turn phases shall continue to be provided for eastbound and westbound approaches of US 50 (Ocean Gateway). The MD 452 (Friendship Road) /Seahawk Road approaches shall also continue to operate in a split phase. Pre emption shall be installed for the Seahawk Road southbound appraoch.
- 2. There is an existing Opticom Discriminator module in existing base mounted cabinet that will be utilized.

III. SPECIAL NOTES

- 1. The Contractor shall be responsible for terminating all signal cables. to the appropriate terminals and shall properly label each cable.
- 2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7652 seventy-two hours in advance of intended work.
- 3. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

The contact persons for District #1 are as follows:

Mr. Gene Cofiell

Assistant District Engineer - Traffic Phone: (410) 677-4040

Mr. Jimmy Wright Assistant District Engineer - Maintenance Phone: (410) 543-6715

Mr. Bruce Poole

Assistant District Engineer – Utility

Phone: (410) 677-4082

Mr. Richard L. Daff, Sr.

Chief, Traffic Operations Division Phone: (410) 787-7630

The power company representative is:

Mr. Ed Rodenhizer

Mr. Sonny Bailey

Chief Sign Shop

410-787-7670

410-787-7652

Chief, Traffic Signal Operations

Rodney Bain Conectiv

2530 N. Salisbury Blvd Salisbury, MD 21802 Phone: 410 860-6242

EQUIPMENT LIST

EQUIPMENT TO BE SUPPLIED BY S.H.A.

DESCRIPTION

QUANTITY

THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

EQUIPMENT LIST

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

1 EA

DESCRIPTION QUANTITY 1001 1 EA Maintenance of traffic per assignment. 8011 Breakaway pedestal pole (20') 1 EA 8023 400 L.F. 4 conductor opticon cable. Schedule 80 rigid PVC conduit up to 4" - bored. 8026 90 L.F. Schedule 80 rigid PVC conduit up to 4" - trenched. 15 L.F. 50 L.F. No. 6 AWG stranded bare copper ground wire. Furnish and install electrical 1 EA handhole.

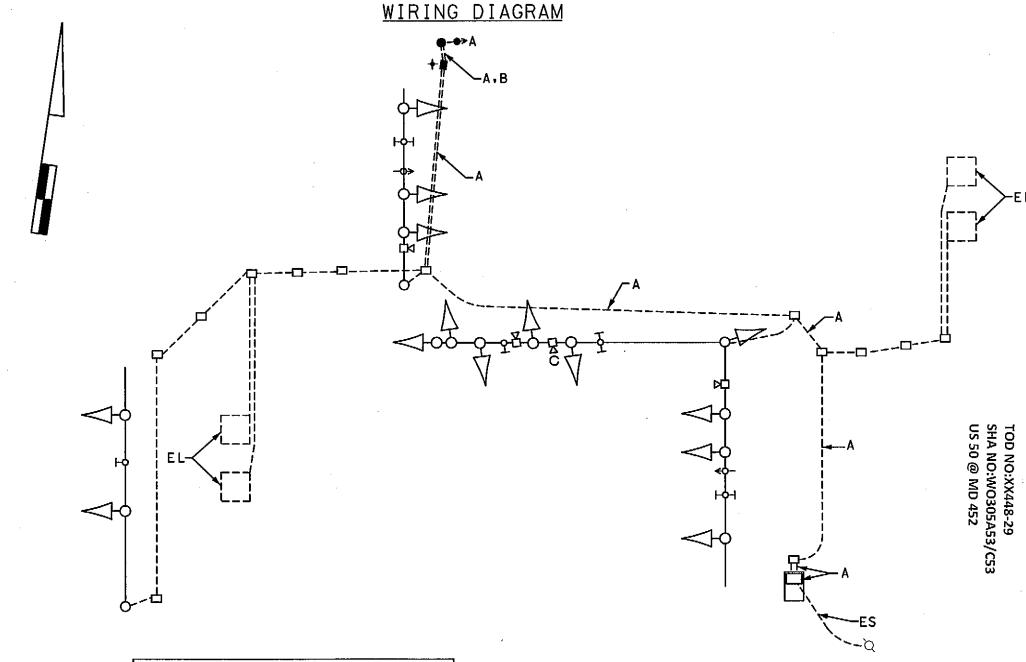
C. EQUIPMENT TO BE REMOVED

Opticom #721 detector eye.

All removed signal material are to become property of the contractor.

	PHASE CHART											•			
	1 (Y).	2 (Y)	3 (R) (Y) (G)	4 (R) (Y) (G)	5 (R) Y) G	6 R Y G	7 (R-) (Y) (G)	8 (R) (Y) (G)	9 R Y G	10 R Y G	11 R Y G G	12 R Y G	13 R Y G	14 R Y G	
PHASE 1 & 5	FL/Y	FL/Y	4 -G−	← G-	R	R	4 -G−	4 -G−	R	R	R	R	R	R	
CHANGES TO PHASES 1	& 6, 2	& 5 O	R 2 & 6										· · · · · · · · · · · · · · · · · · ·		
PHASE 1 & 6	FL/Y	FL/Y	◆ G—	4 -G−	G	G	4 -R−	← R	R	R	R	R	R	R	1
1 & 6 CHANGE	FL/Y	FL/Y	◆ Y	◆ Y-	G	G	∢ -R-	4 -R−	R	R	R	R	R	R	
PHASE 2 & 5	FL/Y	FL/Y	∢ -R−	4 -R−	R	R	∢ -G-	∢ -G	G	G	R	R	R	R	1
2 & 5 CHANGE	FL/Y	FL/Y	4 -R−	◆ R	R	R	∢ -Y-	◆ Y-	G	G	R	R	R	R	-1
PHASE 2 & 6	FL/Y	FL/Y	4 -R−	4 -R−	G	G	4 -R−	◆ R-	G	G	R	R	R	R	1
2 & 6 CHANGE	FL/Y	FL/Y	4 -R−	∢ R∽	Y	Y	4 -R−	4 -R−	Y	Υ	R	R	R	R	
PHASE 3	FL/Y	FL/Y	4 -R−	◆ R-	R	R	◆ R-	◆ R-	R	R	G -G-	G	R	R	
3 CHANGE	FL/Y	FL/Y	4 -R−	4 -R−	R	R	◆ R→	← R-	R	R	Y	Y	R	R]-
PHASE 4	FL/Y	FL/Y	4 -R−	◆ R-	R	R	∢ -R–	4 -R−	R	R	R	R	G ∢ -G−	G	
4 CHANGE	FL/Y	FL/Y	4 -R	4 -R−	R	R	4 -R−	← R-	R	R	R	R	Y	Y	-
PRE EMPT1	FL/Y	FL/Y	∢ -G—	4 -G−	G	G	4 -R−	← R-	R	R	R	R	R	R	1
PRE EMPT 1 CHANGE	FL/Y	FL/Y	∢ -Y−	← Y-	G	G	◆ R-	∢ -R−	R	R	R	R	R	R];
PRE EMPT 2	FL/Y	FL/Y	∢ -R-	∢ -R−	R	R	← G−	← G-	G	G	R	R	R	R	7
PRE EMPT 2 CHANGE	FL/Y	FL/Y	4 -R−	∢ -R-	R	R	4 -Y−	4 -Y−	G	G	R	R	R	R	-
PRE EMPT 3	FL/Y	FL/Y	∢ -R-	∢ -R-	R	R	◄ -R-	∢ -R	R	R	R	R	GG	G	
PRE EMPT 3 CHANGE	FL/Y	FL/Y	4 -R−	← R-	R	R	4 -R−	4 -R−	R	R	R	R	Y	Y]-
FLASHING OPERATION	FL/Y	FL/Y	FL/ ⊀ R-	FL/ ∢ -R-	FL/Y	FL/Y	FL/ ◀ R-	FL/ ⊀ R-	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	→

NOTE: AFTER PRE EMPTION THE SIGNAL SHALL REVERT TO PHASE 2 & 6.



WIRING KEY

- A 4-CONDUCTOR OPTICON CABLE
- B STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.) EL - EXISTING LOOP
- ES EXISTING SERVICE
- + GROUND ROD

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

US 50 AND MD 452/ SEAHAWK ROAD

BERLIN, MARYLAND

GENERAL INFORMATION SHEET SCALE NONE DATE 2/18/09 CONTRACT NO. XX4485185



Fax (410) 590-6637

DESIGNED BY JAMES ALLEN JR. DRAWN BY JAMES ALLEN JR. CHECKED BY_ F.A.P. NO._

TOD NO.

SHEET NO.

LOGMILE 23005008.38

PLOTTED: \$DATETIME\$ FILE: \$FILE\$

DRAWING NO. 2 OF 2 TS NO. 506G